

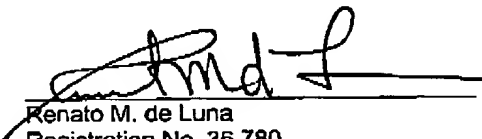
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devices produced by the inventor's colleagues. See U.S. Provisional Patent Application No. 60/112,647 filed December 17, 1998 (published on November 21, 2002, as U.S. Pat. Pub. No. 2002/0,171,172). --

REMARKS

Applicants acknowledge the examiner's "Notice of Non-Compliant Amendment". In response thereto, applicants herein provide -- as requested -- both clean and marked-up versions of each replacement paragraph. There are neither additions nor deletion to the amendments presented in the earlier-submitted Amendment. Applicants' Amendment was filed on June 9, 2003. The PTO's Revised Amendment Practice (37 C.F.R. 1.121) -- which has an Effective Date of July 30, 2003 -- is not applicable. Applicants' Amendment is now felt compliant. Consideration thereof is requested.

Respectfully submitted,


Renato M. de Luna
Registration No. 36,780
MILLIPORE CORPORATION
290 Concord Road
Billerica, MA 01821
Telephone: 978-715-1086

RMD/-
Attachment(s):
Edited Version of Replacement Paragraphs.

Certificate of Mailing/Transmission (37 CFR 1.8)

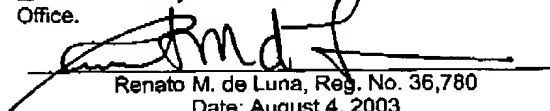
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EDITED VERSION OF REPLACEMENT PARAGRAPHS

The table beginning at page 21, line 29, is amended as follows:

Layer Number	Fibers/ Layer	Area/ Layer (sq.m.)	Fiber Length (inch)	Winding angle (degrees)	Performance Factor of each layer
1	6	0.0287	52.4	62	27.8
2	9	0.0422	51.3	62	26.2
3	15	0.0558	40.8	53	28.1
4	19	0.0694	40.0	53	27.6
5	23	0.0829	39.5	53	27.4
6	27	0.0964	39.1	53	27.2
7	31	0.0110	38.8	53	27.1
8	35	0.1235	38.6	53	27.0
9	39	0.1370	38.5	53	27.0
10	43	0.1505	38.3	53	27.0
11	47	1.1641	38.2	53	27.0

The paragraph beginning at page 29, line 11, is amended as follows:

For potting straight hollow fiber filtration devices, epoxy is used to pot or bond the fibers together. Such fibers are potted by injecting epoxy around the outer layer of fibers. While this method is appropriate for straight hollow fibers, it was inadequate for the multi-layered coiled hollow fiber devices produced by the inventor's colleagues. See U.S. Provisional Patent Application No. 60/112,647 filed December 17, 1998 (published on November 21, 2002, as U.S. Pat. Pub. No. 2002/0.171,172).

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